

Blueprint Construction of PACT in Mathematics

Grade 1

Distribution of Items

Type of Item	Constructed Response	Multiple choice	Total on Test
Number of Items	1	33 - 34	34 - 35 items
Points per item	2 - 3	1	
Total on Test	2 - 3 points	33 - 34 points	36 points

Distribution of Points by Strand

Strand	Constructed Response	Multiple Choice	Points per Strand
Number & Operations	At least one CR item for a total of:	The balance of the points will be multiple choice and distributed through the strands according to the total points listed in the next column.	9 - 11
Algebra			4 - 6
Geometry			6 - 8
Measurement			6 - 8
Data Analysis & Probability			4 - 6
TOTALS	2 - 3 points	33 - 34 points	36

Grade 2

Distribution of Items

Type of Item	Constructed Response	Multiple Choice	Total on Test
Number of Items	1	33 - 34	34 - 35 items
Value of Each Item	2 - 3	1	
Total on Test	2 - 3 points	33 - 34 points	36 points

Distribution of Points by Strand

Strand	Constructed Response Points	Multiple Choice Points	Points per Strand
Number & Operations	At least one CR item for a total of:	The balance of the points will be multiple choice and distributed through the strands according to the total points listed in the next column.	8 - 10
Algebra			4 - 6
Geometry			7 - 9
Measurement			7 - 9
Data Analysis & Probability			4 - 6
TOTALS	2 - 3 points	34 - 35 points	36

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Grade 3

Distribution of Items

Type of Item	Constructed Response	Multiple Choice	Total on Test
Number of Items	1 - 2	39 - 43	39 - 43 items
Value of Each Item	2 - 4	1	
Total on Test	3 - 7 points	39 - 43 points	46 points

Distribution of Points by Strand

Strand	Constructed Response Points	Multiple Choice Points	Points per Strand
Number & Operations	At least two CR for a total of:	The balance of the points will be multiple choice and distributed through the strands according to the total points listed in the next column.	11 – 15
Algebra			4 – 8
Geometry			7 – 11
Measurement			7 – 11
Data Analysis & Probability			5 – 9
TOTALS	3 - 7 points	39 - 43 points	46

Grade 4

Distribution of Items

Type of Item	Constructed Response	Multiple Choice	Total on Test
Number of Items	2 - 3	40 - 41	43 – 45 items
Value of Each Item	2 - 4	1	
Total on Test	5 - 6 points	40 - 41 points	46 points

Distribution of Points by Strand

Strand	Constructed Response Points	Multiple Choice Points	Points per Strand
Number & Operations	At least two CR item for a total of:	The balance of the points will be multiple choice and distributed through the strands according to the total points listed in the next column.	11 - 14
Algebra			5 - 7
Geometry			8 - 10
Measurement			8 - 10
Data Analysis & Probability			7 - 9
TOTALS	5 - 6 points	40 - 41 points	46

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Grade 5

Distribution of Items

Type of Item	Constructed Response	Multiple Choice	Total on Test
Number of Items	2 - 3	40 - 41	42 – 44 items
Value of Each Item	2 - 4	1	
Total on Test	5 - 6 points	40 - 41 points	46 points

Distribution of Points by Strand

Strand	Constructed Response Points	Multiple Choice Points	Points per Strand
Number & Operations	At least two CR items for a total of:	The balance of the points will be multiple choice and distributed through the strands according to the total points listed in the next column.	11 - 14
Algebra			7 - 9
Geometry			8 - 10
Measurement			8 - 10
Data Analysis & Probability			7 - 9
TOTALS	5 - 6 points	40 - 41 points	46

Grade 6

Distribution of Items

Type of Item	Constructed Response	Multiple Choice	Total on Test
Number of Items	2 - 3	54 - 55	55 - 56 items
Value of Each Item	2 - 4	1	
Total on Test	5 - 6 points	54 - 55 points	60 points

Distribution of Points by Strand

Strand	Constructed Response Points	Multiple Choice Points	Points per Strand
Number & Operations	At least two CR items for a total of:	The balance of the points will be multiple choice and distributed through the strands according to the total points listed in the next column.	15 - 17
Algebra			8 - 10
Geometry			10 - 12
Measurement			8 - 10
Data Analysis & Probability			12 - 14
TOTALS	5 - 6 points	54 - 55 points	60

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Grade 7

Distribution of Items

Type of Item	Constructed Response	Multiple Choice	Total on Test
Number of Items	2 - 3	54 - 55	55 - 56 items
Value of Each Item	2 - 4	1	
Total on Test	5 - 6 points	54 - 55 points	60 points

Distribution of Points by Strand

Strand	Constructed Response Points	Multiple Choice Points	Points per Strand
Number & Operations	At least two CR items for a total of:	The balance of the points will be multiple choice and distributed through the strands according to the total points listed in the next column.	12 - 14
Algebra			12 - 14
Geometry			10 - 12
Measurement			10 - 12
Data Analysis & Probability			10 - 12
TOTALS	5 - 6 points	54 - 55 points	60

Grade 8

Distribution of Items

Type of Item	Constructed Response	Multiple Choice	Total on Test
Number of Items	2 - 3	65 - 66	66 - 67 items
Value of Each Item	2 - 4	1	
Total on Test	6 - 7 points	65 - 66 points	72 points

Distribution of Points by Strand

Strand	Constructed Response Points	Multiple Choice Points	Points per Strand
Number & Operations	Two to three CR items for a total of:	The balance of the points will be multiple choice and distributed through the strands according to the total points listed in the next column.	15 - 17
Algebra			16 - 18
Geometry			14 - 16
Measurement			7 - 9
Data Analysis & Probability			13 - 15
TOTALS	6 - 7 points	65 - 66 points	72